03-31-05

PTO/SB/21 (04-04) 06. OMB 0651-000 IT OF COM

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	ICRAITT A I		Apı	plication Number	10/735,	606	
TRANSMITTAL			Fili	ng Date	Decemb	per 12, 2003	
FORM		Fire	st Named Inventor	Helen N	loore et al.		
(to be used for all co	orrespondence after ini	tial filing)	Art	Unit	1631		
			Exa	aminer Name	John C.	Brusca	
Total Number of Pages in This Submission			Atte	orney Docket Number	9692-00	00030	
		ENCLO	SUR	ES (check all that apply)	· · · · · · · · · · · · · · · · · · ·		
Fee Transmittal F	-orm	☐ Drawing	g(s)			After Allowance Communication to Technology Center (TC)	
Fee Attached	1	Licensi	ng-re	lated Papers		eal Communication to Board of eals and Interferences	
Amendment / Re	ply	Petition	1			eal Communication to TC eal Notice, Brief,	
After Final				onvert to a Application	☐ Prop	rietary Information	
Affidavits/dec	claration(s)			orney, Revocation Correspondence Address	☐ Statu	Status Letter	
Extension of Time Request		Termina	Terminal Disclaimer			Other Enclosure(s) (please identify below):	
Express Abandonment Request			Request for Refund			Form 1449; copies of cited art; and postcard	
☐ Information Disclosure Statement		CD, Nu	CD, Number of CD(s)				
		Remai	rks	The Commissioner is	hereby aut	horized to charge any additional	
Certified Copy of Priority Document(s)		T.O.II.G.	fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.				
Response to Missing Parts/ Incomplete Application					·	,,	
Response to Missing Parts under 37 CFR 1.52 or 1.53							
	SIGNA	TURE OF A	APPL	ICANT, ATTORNEY, (OR AGENT		
Firm or Harness, Dickey & Pierce, P.L. Individual name		Attorney Name Reg. No. Jennifer S. Brooks 51,501					
Signature			n	dy.	<u> </u>		
Date March 30, 2005							
	. (CERTIFICAT	ΓE O	F TRANSMISSION/MA	ILING		
I hereby certify that t Service with sufficier Alexandria, VA 22313	his correspondence nt postage as first	is being facs class mail in	imile	transmitted to the USPTO	or deposit	ed with the United States Postal er for Patents, P.O. Box 1450,	
Typed or printed name Kyna Pittman					Express Mail Label No.	EV 570 162 627 US (3/30/2005)	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

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Signature

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Date

March 30, 2005

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

10/735,606

Filing Date:

December 12, 2003

Applicant:

Helen Moore et al.

Group Art Unit:

1631

Examiner:

John C. Brusca

Title:

Methods for Identifying, Viewing, and Analyzing Syntenic and

Orthologous Genomic Regions Between Two or More Species

Attorney Docket:

9692-000030

Director of the United States Patent and Trademark Office P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. <u>LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION</u>

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. COPIES

A. Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed, other than U.S. patents and U.S. patent application publications unless required by the Office; (iii) each unpublished U.S. application listed below in Section IV (i.e., including the specification, claims, and any drawing of the application, or that portion of the application which caused it to be listed, including any claims directed to that portion), except for such applications filed on or after June 30, 2003, pursuant to the Waiver of the Copy Requirement in 37 C.F.R. 1.98 (OG Notice dated October 19, 2004); and (iv) all other information or that portion which caused it to be listed.

	B. Any patents, publications or other information on the copies of PTO-892, but which previously cited by or submitted to the PTO in which has been relied upon for an earlier filing of the provided in the p	are not enclosed herewith, were none of the following applications
	U.S. Serial Number	U.S. Filing Date
	C. This is a PCT application in the entry of States. A copy of the International Search Repinformation. The documents listed on the International Search Repinformation. The documents listed on the International I	port is attached for the Examiner's ernational Search report are listed by the Examiner and for listing on the International Search report was copies of these references should the trilateral agreement and are
III.	CONCISE EXPLANATION OF THE RELEVAN	CE (check at least one box)
	A. Except as may be indicated below in (B) other information are in the English language (c)	
	B. A concise explanation of the relevance of information listed that is not in the English lang § 1.98(a)(3)):	
	1. See the attached foreign pater counterpart foreign application:	nt office communication from a
	2. English translations are provided:	
	3. Other:	
	C. The following additional information consideration.	is provided for the Examiner's
	·	

IV.	CROSS REFERENCE	E TO RELATED APPLICA	TION(S)
	contain(s) subject ma bringing this(these) a	atter that may be related	lowing co-pending application(s) to the present application. By iner's attention, Applicant(s) does 5 U.S.C. § 122.
	Serial No.	Filing Date	Art Unit
V.	THIS IDS IS BEING F	ILED UNDER	
	A. 🗌 37 C.F.R. § 1.9	7(b): (check <u>only</u> one box)	
	than a continu		ate of a national application othe on under § 1.53(d) (37 C.F.R. § uired.
		in an international applica	entry of the national stage as se ation (37 C.F.R. § 1.97(b)(2)). No
	1.97(b)(3)). N Office Action of under 37 C.F. 1.97(e) below;	o fee or certification is re on the merits has been R. § 1.97(c) and see the or, if no certification has	Action on the merits (37 C.F.R. § equired. In the event that a firs issued, please consider this IDS e certification under 37 C.F.R. § been made, charge our depositions required by 37 C.F.R. § 1.17(p
			Action after the filing of a reques R. § 1.114. No fee or certification
	B. 🔀 37 C.F.R. § 1.9	7(c): (check <u>only</u> one box)	
		e of Allowance under 37	al Office Action under 37 C.F.R. § C.F.R. § 1.311, or an action tha
	1. ⊠ No certifi by 37 C.F.R. §		the amount of \$180.00 is required
	2. See the c	certification below. No fee	is required.

	C. 37 C.F.R. § 1.97(d):
	after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.
	1. See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
VI.	CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)
	The undersigned hereby certifies that:
	A. \square each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F.R. 1.704(d) below in section VII. if applicable; or
	B. \square no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).
	C. Some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.
VII.	STATEMENT UNDER 37 C.F.R. 1.704(d)
	The undersigned hereby states that:
	each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS

VIII. PAYMENT OF FEES (check only one box)

- A. A check in the amount of \$180.00 is enclosed for the above identified fee.
- B. Please charge Deposit Account No. 08-0750 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached.

The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 08-0750.

Respectfully submitted,

Dated: March 30, 2005

Jennifer S. Brooks Reg. No. 51,501

Harness, Dickey & Pierce, P.L.C. P.O. Box 828 Bloomfield Hills, Michigan 48303 (248) 641-1600

JSB/kp



FORM PDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 1 of 1

ATTORNEY DOCKET NO.	SERIAL NO.		
9692-000030	10/735,606		
APPLICANT			
Helen Moore et al.			
FILING DATE	GROUP		
December 12, 2003	1631		

U.S. P	ATENT DO	CUMENTS				
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.						

FOREIGN PATENT DOCUMENTS							
Ref. * Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translati Yes	on No
1.							

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)					
Ref. Desig.	Examiner's Initials				
1.		Jareborg N et al., "Alfresco - A Workbench for Comparative Genomic Sequence Analysis", Genome Research, (August 2000), vol. 10, no.8, pp. 1148-1157.			
2.		Kerlavage A. et al., "The Celera Discvoery System", Nucleic Acids Research, (Jan 2002), vol. 30, no. 1, pp. 129-136.			
3.		Mural R. J., et al., "A Comparison of Whole-genome Shotgun-Derived Mouse Chromosome 16 and the Human Genome", Science (May 2002) vol. 296, No. 5573, pp.1661-1671.			
4.		Turner, R. J. et al, "Visualization Challenges for a New Cyber-Pharmaceutical Computing Paradigm", (October 2001), pp. 7-18.			
5.		Zafar, N. et al., Comparisons of Gene Colinearity in Genomes Using GeneOrder 2.0", (August 2001), vol. 26, no. 8, pp. 514-516.			
6.		Koziak et al., "GenomePixelizer - A Visualization Program for Comparative Genomics Within and Between Species", Bioinformatics, (February 2002), vol. 18, no. 2, pp.335-336.			
7.		Mayor, C. et al., "VISTA: Visualization Global DNA Sequence Alignments of Arbitrary Length", Bioinformatics (November 2000), vol. 16, no. 11, pp. 1046-1047.			
8.		Anonymous: "Celera Human-Mouse Orthologs and Syntenic Achors", (June 2002), pp. 1-4.			
9.		Anonymous: "Celera Human-Mouse Orthologs and Syntenic Data", (December 2002), pp. 1-6.			
10.		Anonymous: "Celera Discovery System. Product Update", (December 2002), pp. 1-4.			

Examiner:	Date Considered: